AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in this application:

Listing of claims:

1. (Previously Presented) A process for preparing a fine particulate protein substance or substance mixture, said fine particulate protein substance or substance mixture having a particle size in the nanometer to micrometer range, said process comprises:

grinding a protein substance or substance mixture at a low temperature in a suspending medium, said low temperature being lower than -30°C., wherein said suspending medium is gaseous at ambient pressure and temperature; and

removing said suspending medium.

- 2. (Previously Presented) The process of claim 1, wherein said suspending medium is an unsubstituted hydrocarbon, a hydrocarbon mono-or -polysubstituted by fluorine, a mixture thereof.
- 3. (Previously Presented) The process of claim 1, wherein said suspending medium is a hydrocarbon mono- or -polysubstituted by fluorine, selected from the group consisting of TG227, TG134a, TG152a, TG143a, and mixtures thereof.
- 4. (Previously Presented) The process of claim 1, wherein said suspending medium is an unsubstituted hydrocarbon selected from the group consisting of butane, isobutane, pentane, hexane, heptane and mixtures thereof.
- 5. (Previously Presented) The process of claim 1, wherein said suspending medium is selected from the group consisting of isobutane, pentane, hexane, heptane, TG227, TG134a, TG152a, TG143a and mixtures thereof.
- (Previously Presented) The process of claim 1, wherein said low temperature is lower than 40°C.

- 7. (Previously Presented) The process of claim 1, further comprising adding an excipient to said suspending medium before or after grinding said protein substance or substance mixture, said excipient being selected from the group consisting of lactose, dextrose, sorbitol, mannitol, polyalcohols, xylitol, disaccharides, polysaccharides, oligosaccharides, dextrins, amino acids, solid lipids, solid phospholipids, vitamins, surfactants, polymers and mixtures thereof.
- 8. (Previously Presented) The process of claim 1, wherein said protein substance is abarelix, buserelin, cetrorelix, leuprolide, cyclosporine, ganirelix, glucagon, lutropin, insulin, ramorelix, or teverelix.
- 9. (Previously Presented) A solid, fine-particulate pharmaceutical preparation for inhalatory administration to mammals, which comprises a fine particulate protein substance or substance mixture obtained by the process of claim 1.
- 10. (Previously Presented) The solid, fine-particulate pharmaceutical preparation of claim 9, wherein said active compound is abarelix, buserelin, cetrorelix, leuprolide, cyclosporine, ganirelix, glucagon, lutropin, insulin, ramorelix, or teverelix.
- 11. (Original) The solid, fine-particulate pharmaceutical preparation of claim 9 when filled into a powder inhaler.
- 12. (Previously Presented) The solid, fine-particulate pharmaceutical preparation of claim 11, wherein said powder inhaler is DPI, MDPI or a blister inhaler.
- 13. (Previously Presented) A process for applying a fine-particulate substance or substance mixture to a carrier material, which comprises stripping off by thorough mixing the suspending medium from a suspension of said fine particulate substance or substance mixture, said carrier material and said substance or substance mixture being substantially insoluble in said suspending medium.

14. (Canceled)

- 15. (Previously Presented) The process of claim 13, wherein said suspending medium is selected from the group consisting of unsubstituted hydrocarbons, hydrocarbons mono- or polysubstituted by fluorine, and mixtures thereof.
- 16. (Previously Presented) The process of claim 13, wherein said suspending medium is selected from the group consisting of isobutane, pentane, hexane, heptane, TG227, TG134a, TG152a, -TG143a and mixtures thereof.
- 17. (Previously Presented) The process of claim 13, wherein said carrier material is selected from the group consisting of spherical lactose having a smooth surface, agglomerated lactose having a rough surface, and mixtures thereof.
- 18. (Previously Presented) The process of claim 13, wherein said fine particulate substance or substance mixture has an average particle size of from about 0.1 to about 10 μ m, and said carrier material has an average particle size of from about 10 to about 900 μ m.
- 19. (Previously Presented) The process of claim 13, wherein said suspending medium further contains an excipient selected from the group consisting of lactose, dextrose, sorbitol, mannitol, polyalcohols, xylitol, disaccharides, polysaccharides, oligosaccharides, dextrins, amino acids, solid lipids, solid phopholipids, vitamins, surfactants, polymers and mixtures thereof.
 - 20. (Original) The process of claim 1, wherein said low temperature is lower than -50°C.
 - 21. (Original) The process of claim 1, wherein said low temperature is lower than -60°C.
- 22. (Original) The process of claim 1, wherein said substance or substance mixture is substantially insoluble in said suspending medium.

- 23. (Original) The process of claim 1, wherein said fine particulate protein substance or substance mixture is useful for inhalatory therapy.
- 24. (Original) The process of claim 13, wherein said suspending medium is selected from the group consisting of TG227, TG134a, TG152a, TG143a and mixtures thereof.